Review

STATUS OF ORCHID TAXONOMY RESEARCH IN THE PHILIPPINES

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Orchidaceae is the largest of the monocotyledonous families in the Philippines. There are over 137 genera and about 998 species of orchids so far recorded for the archipelago. This represents about 10% of the total flora of the Philippines. The Philippines ranks second to New Guinea in occurrence of endemic species in the Malesian region. The monotypic endemic genera of orchids are *Ceratocentron*, *Megalotus, Phragmorchis, and Schuitemania. Bogoria, Chelonistele, Lepidogyne, Omoea, Orchipedum* are Malesian endemics represented in the Philippines by one species each. The largest genera are *Bulbophyllum* (137 species), *Dendrochilum* (89 species), *Dendrobium* (85 species), *Eria* (54 species), *Liparis* (38 species), and *Malaxis* (33 species).

Orchid collecting started in the Philippines as early as the Spanish times by Spanish missionaries like I. Mercado, G. Kamel, J. Blanco, Llanos, Fernandez-Villar, and Naves. Other notable collectors or expeditions were P. Sonnerat, T Haenke and L. Nee (*Malaspina Expedition*), A. von Chamisso (*Romassoff*), S. Perrottet (*Le Rhone*), H. Cuming, A. Loher, F.J.F. Meyen (*Princess Louise of Prussia*), C. Gaudichaude-Beaupre (*La Bonite Expedition*), *Wilkes Expedition*, and the *Challenger*. This was also the time when horticultural companies brought plants to Europe for trade (Mendoza, 1959).

Collectors of the the Forestry Bureau in the 19th century, then the Bureau of Government Laboratories, and finally the Bureau of Science amassed a huge collection of specimens for the herbarium. The close collaboration of E. Merrill and O. Ames at Harvard University resulted to several new species for the Philippines. Duplicate specimens of all orchid collections were also sent to Dr. Ames. E. Quisumbing, D.R. Mendoza, M. Ramos, G. Edano, M.D. Sulit, P. Convocar, and M. Celestino were the prolific Filipino collectors for the herbarium of the Bureau of Science. Their foreign counterparts then were E.D. Merrill, A.D. Elmer, E.B. Copeland, H.M. Curran, C. Wenzel, M. Jacobs, C. Frake, H. Conklin, H. Taylor, B.B. Britton, R.B. Fox, M.L. Steiner, K.B. Day, J. & M.S. Clemens, among others.

In 1991-2000, the Flora of the Philippines Project, an initiative to extensively document the plants of the Philippines also contributed immensely to the orchid collections of the herbarium. This project was funded by the US National Science Foundation and USAID, through the Bishop Museum, Hawaii and later

the Botanical Research Institute of Texas. Duplicate specimens were distributed to the University of the Philippines at Los Banos, US National Herbarium, Harvard University Herbarium, Royal Botanic Gardens at Kew, National Herbarium of the Netherlands, Bogor Herbarium, and Singapore Botanic Gardens.

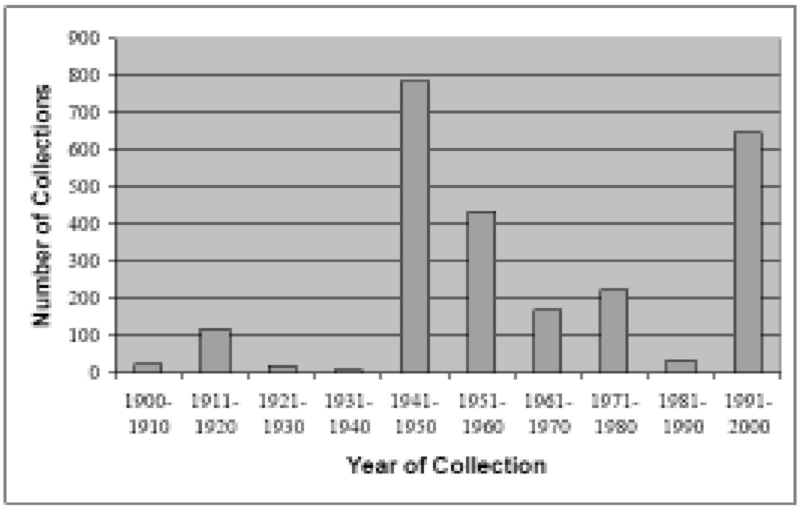


Figure 1. Collecting effort of the PNH through the decades

Inspite of these efforts, only about 50% of the genera and 20% of the species known for the Philippines are represented in the PNH (Figure 1).

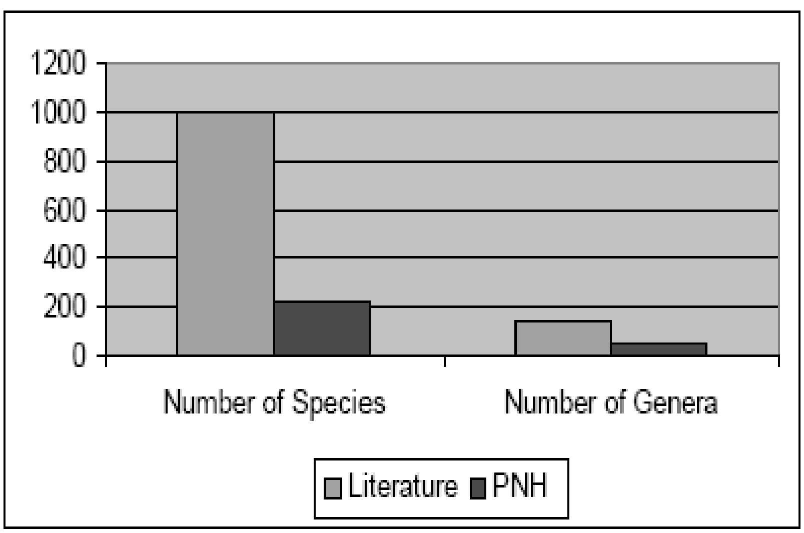


Figure 2. Comparison of species and genera of orchids known from literature and as represented at the PNH

This underscores the need to access the Philippine specimens in foreign herbaria for orchid studies. In the task to revise *Trichoglottis*, a fairly large genus, loans of specimens from AMES, NY, K, and US were invaluable. Most of the type specimens can be found in AMES where Merrill sent most of the specimens during his time (Figure 3).

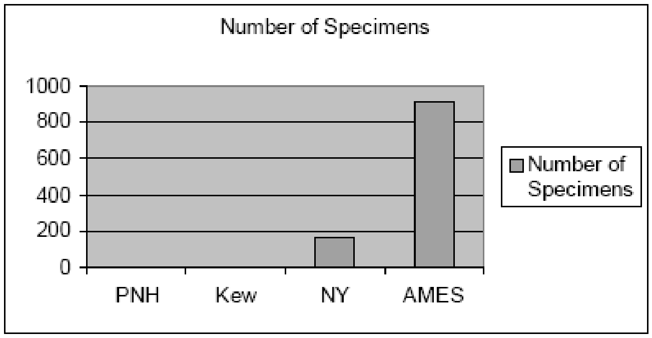


Figure 3. Distribution of type specimens of *Trichoglottis* in different herbaria

Moreover, many of the specimens were noted to be deposited in AMES, K, PNH, US, NY, L, UC, BO, and CAHUP (Figure 4A). Each of these herbaria proved to be equally valuable as each have few to many specimens which may not have duplicates in other herbaria (Figure 4B).

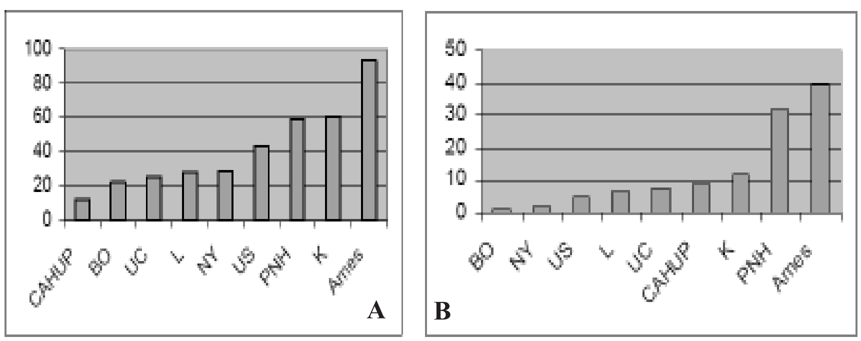


Figure 4A. Distribution of *Trichoglottis* specimens in different herbaria; B. Distribution of unicate *Trichoglottis* specimens in different herbaria

Priority Sites and Genera for Collection

Collecting effort should be intensified to add more specimens to the PNH. These should be made particularly in islands where there are no or few representative specimens at the PNH. Priority sites should include Catanduanes, Siquijor, Burias, Northern and Southern Palawan Islands, among others. Other sites which should be recollected are Luzon, Mindanao, Mindoro, Palawan, Panay, Negros, and Samar.

Genera which are not represented in the PNH by any specimen should be given high priority. These include *Abdominea, Amesiella, Ania, Aphyllorchis, Apostasia, Arachnis, Ascocentrum, Ascoglossum. Bogoria, Brachypeza, Bromheadia, Cephalantheropsis, Ceratocentron, Corybas, Cymbidium, Cystorchis, Didymoplexis, Diplocaulobium, Disperis, Epigeneium, Erythrodes, Erythrorchis, Galeola, Gastrochilus, Geodorum, Glomera, Grosourdya, Hippeophyllum, Hylophila, Hymenorchis, Kuhlhasseltia, Lecanorchis, Ludisia, Luisia, Macodes, Macropodanthus, Microsaccus, Myrmechis, Nephelaphyllum, Octarrhena, Oeceoclades, Omoea, Orchipedum, Pachystoma, Pennilabium, Phragmorchis, Pilophyllum, Platanthera, Plocoglottis, Poaephyllum, Pomatocalpa, Preptanthe, Pristiglottis, Pseudovanilla, Rhomboda, Sarcanthus, Schoenorchis, Stereochilus, Stereosandra, Thecostele, Thelymitra, Tropidia, Tuberolabium, Vandopsis, Vexillabium,* and *Zeuxine.*

Priority Genera for Revision

Recent revisions on Philippine orchids are *Dendrochilum* (Petersen, 1994) and *Trichoglottis* (Agoo, 2002), and *Pomatocalpa* (Watthana, 2005). *Dendrobium*, *Aerides, Liparis, Coelogyne,* and are being worked out. Other genera which need a modern revision are *Bulbophyllum*, *Phalaeonopsis*, *Malaxis, Eria*, *Appendicula*, *Phalaenopsis, Oberonia, Phreatia,* and *Thrixspermum*, among others.

Other Activities

Publication. Checklists, popular articles, and scientific articles in print and CDROM materials are being pursued. Significant contributions were book publications by Valmayor (1984), Golamco (1991), Fessel and Balzer (1999), and Cootes (2001). These include descriptions, local distribution data, and full color photographs of species. A CD on Philippine orchid genera by Agoo et al. (2003) also presents interactive identification keys, description, and full color photographs of the genera of Philippine orchids. A checklist of Philippine orchid species and a literature module are also provided.

Improvement of the PNH Orchid Library. Copies of literature on Philippine orchids have been acquired and maintained at the PNH. There are a few other historical and modern literature which have to be obtained from other libraries in the US and Europe.

Development of a Digitized Reference Collection on Philippine Orchids. Photographs of type specimens found in AMES, US, KEW, and L are being acquired which will then be be made available electronically.

*Training***.** Potential source of manpower for orchid taxonomic research and support are students and orchid hobbyists. Given the proper training on specimen collection and processing techniques, orchid description, and basic taxonomic research, they can contribute significantly to the knowledge on Philippine orchids.

Conservation of Orchids. At present, eighteen (18) Philippine orchid species are included in the 2006 IUCN List of Threatened Species. These species were assessed by Agoo et al. (2004) and evaluated by the Philippine Plant Specialist

Group and Orchid Specialist Group. A resume of each of the species which include nomenclature, taxonomy, and ecology was prepared for the purpose.

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LIST OF ORCHIDS IN THE PHILIPPINES
(Updated from Agoo et al. 2003)

Abdominea
Abdominea minimiflora (Hook.f.) J.J.Sm.
Acanthephippium
Acanthephippium mantinianum L.Linden & Cogn.
Acanthephippium sylhetense Lindl.
Acriopsis
Acriopsis indica Wight
Acriopsis liliifolia (J.Koenig) Ormerod
Aerides
Aerides augustianum Rolfe
Aerides burbidgei Rchb.f. ex Burb.
Aerides cylindricum Boxall ex Náves in Blanco
Aerides larpenta Boxall ex Náves in the Blanco
Aerides lawrenciae Rchb.f.
Aerides lawrenciae Rchb.f. var. *fortichii* Ames & Quisumb.
Aerides lawrenciae Rchb.f. var. *punctata* Ames & Quisumb.
Aerides leeanum Rchb.f.
Aerides margaritaceum Boxall ex Náves in Blanco
Aerides mendellii Boxall ex Náves
Aerides odoratum Lour.
Aerides quinquevulnera Lindl.
Aerides savageanum Sander ex Veitch
Aerides shibatianum Boxall ex Náves
Aglossorhycha
Aglossorhyncha sp.
Agrostophyllum
Agrostophyllum elmeri Ames
Agrostophyllum elongatum (Ridl.) Schuit.
Agrostophyllum glumaceum Hook.f.
Agrostophyllum inocephalum (Schauer) Ames
Agrostophyllum leytense Ames
Agrostophyllum longivaginatum Ames
Agrostophyllum luzonense Ames & Quisumb.
Agrostophyllum malindangense
Agrostophyllum mearnsii Ames
Agrostophyllum merrillii Ames
Agrostophyllum mindanaense Ames
Agrostophyllum philippinense Ames
Agrostophyllum saccatilabium Ames & Quisumb.
Agrostophyllum stipulatum (Griff.) Schltr.
Amesiella
Amesiella minor Senghas
Amesiella monticola Cootes & D.P.Banks
Amesiella philippinensis (Ames) Garay
Anoetochilus
Anoectochilus argyroneurum Boxall ex Náves
Anoectochilus bullenii Boxall ex Náves
Anoectochilus dayi Boxall ex Náves
Anoectochilus intermedium Boxall ex Náves
Anoectochilus sp.
Aphyllorchis
Aphyllorchis halconensis Ames
Aphyllorchis montana Rchb.f.
Aphyllorchis pallida Blume
Apostasia
Apostasia nuda R.Br.
Apostasia wallichii R.Br.
Appendicula
Appendicula alba Blume
Appendicula anceps Blume
Appendicula buxifolia Blume

Appendicula clemensiae (Ames) Ames
Appendicula cornuta Blume
Appendicula crotalina (Ames) Schltr.
Appendicula cuneata Ames
Appendicula elmeri (Ames) Ames
Appendicula fenixii (Ames) Schltr.
Appendicula irigensis Ames
Appendicula leytensis Ames
Appendicula lucbanensis (Ames) Ames
Appendicula luzonensis (Ames) Ames
Appendicula malindangensis (Ames) Schltr.
Appendicula maquilingensis Ames
Appendicula merrillii Ames
Appendicula micrantha Lindl.
Appendicula negrosiana (Ames) Ames
Appendicula pendula Blume
Appendicula perplexa (Ames) Ames
Appendicula polyantha Ames
Appendicula reflexa Blume
Appendicula tagalensium Kraenzl
Appendicula undulata Blume var. *longicalcarata* (Rolfe) Ames
Appendicula weberi Ames
Appendicula xytriophora Rchb.f. in Seem.

Arachnis
Arachnis flosaeris (L.) Rchb.f.
Arachnis longicaulis (Schltr.) L.O.Williams

Ascocentrum
Ascocentrum aurantiacum (Schltr.) Schltr. subsp. *philippinense* Christenson
Ascocentrum miniatum (Lindl.) Schltr.

Ascochilus
Ascochilus calceolaris (Teijsm. & Binn.) Garay
Ascochilus emarginatus (Blume) Schuit.
Ascochilus leytensis (Ames) Garay

Ascoglossum
Ascoglossum calopterum (Rchb.f.) Schltr.

Bogoria
Bogoria merrillii (Ames) Garay

Brachypeza
Brachypeza zamboangensis (Ames) Garay

Bromhedia
Bromheadia alticola Ridl.
Bromheadia devogelii Kruiz.
Bromheadia finlaysoniana (Lindl.) Miq.

Bulbophyllum
Bulbophyllum absconditum J.J.Sm.
Bulbophyllum aeolium Ames
Bulbophyllum aestivale Ames
Bulbophyllum alagense Ames
Bulbophyllum alboroseum Ames
Bulbophyllum alsiosum Ames
Bulbophyllum antenniferum (Lindl.) Rchb.f.
Bulbophyllum apodum Hook.f.
Bulbophyllum apoense Schuit. & de Vogel
Bulbophyllum arrectum Kraenzl
Bulbophyllum auratum (Lindl.) Rchb.f.
Bulbophyllum aurecemum Boxall ex Náves
Bulbophyllum balaeniceps Rchb.f.
Bulbophyllum basisetum J.J.Sm.
Bulbophyllum bataanense Ames
Bulbophyllum baucoense Ames
Bulbophyllum biflorum Teijsm. & Binn.
Bulbophyllum bolsteri Ames
Bulbophyllum bontocense Ames
Bulbophyllum braccatum Rchb.f.
Bulbophyllum brevibrachiatum (Schltr.) J.J.Sm.

Bulbophyllum calophyllum L.O.Williams
Bulbophyllum canlaonense Ames
Bulbophyllum carunculatum Garay, Hamer & Siegerist
Bulbophyllum catenulatum Kraenzl
Bulbophyllum cephalophorum Garay, Hamer & Siegerist
Bulbophyllum cheiri Lindl.
Bulbophyllum chrysendetum Ames
Bulbophyllum chryseum (Kraenzl) Ames
Bulbophyllum clandestinum Lindl.
Bulbophyllum cleistogamum Ridl.
Bulbophyllum clemensiae Ames
Bulbophyllum colubrimodum Ames
Bulbophyllum coniferum Ridl.
Bulbophyllum cootesii M.A.Clem.
Bulbophyllum cornutum (Blume) Rchb.f.
Bulbophyllum costatum Ames
Bulbophyllum cryptophoranthus Garay
Bulbophyllum cubicum Ames
Bulbophyllum cumingii (Lindl.) Rchb.f.
Bulbophyllum cuneatum Rolfe ex Ames
Bulbophyllum cupreum Lindl.
Bulbophyllum curranii Ames
Bulbophyllum dagamense Ames
Bulbophyllum dasypetalum Rolfe ex Ames
Bulbophyllum dearei (Hort.) Rchb.f.
Bulbophyllum debrincatiae J.J.Verm.
Bulbophyllum deceptum Ames
Bulbophyllum dentiferum Ridl.
Bulbophyllum dissolutum Ames
Bulbophyllum dolichoblepharon (Schltr.) J.J.Sm.
Bulbophyllum doryphoroides Ames
Bulbophyllum ebracteolatum Kraenzl
Bulbophyllum echinochilum Kraenzl
Bulbophyllum elassoglossum Siegerist
Bulbophyllum elmeri Ames
Bulbophyllum elongatum (Blume) Hassk.
Bulbophyllum emiliorum Ames & Quisumb.
Bulbophyllum erosipetalum C.Schweinf.
Bulbophyllum erratum Ames
Bulbophyllum escritorii Ames
Bulbophyllum exile Ames
Bulbophyllum exquisitum Ames
Bulbophyllum facetum Garay, Hamer & Siegerist
Bulbophyllum fenixii Ames
Bulbophyllum filicoides Ames
Bulbophyllum flavescens (Blume) Lindl.
Bulbophyllum flavofimbriatum J.J.Sm.
Bulbophyllum gimagaanense Ames
Bulbophyllum glandulosum Ames
Bulbophyllum gnomoniferum Ames
Bulbophyllum goebelianum Kraenzl
Bulbophyllum gusdorfii J.J.Sm.
Bulbophyllum halconense Ames
Bulbophyllum invisum Ames
Bulbophyllum kittredgei (Garay, Hamer & Siegerist) J.J.Verm.
Bulbophyllum lancifolium Ames
Bulbophyllum lancilabium Ames
Bulbophyllum lancipetalum Ames
Bulbophyllum lasioglossum Rolfe ex Ames
Bulbophyllum lasiopetalum Kraenzl
Bulbophyllum laxiflorum (Blume) Lindl.
Bulbophyllum leibergii Ames & Rolfe

Bulbophyllum lepantense Ames
Bulbophyllum lepidum (Blume) J.J.Sm.
Bulbophyllum leptocaulon Kraenzl
Bulbophyllum levanae Ames
Bulbophyllum levanae Ames var. *giganteum* Quisumb. & C.Schweinf.
Bulbophyllum leytense Ames
Bulbophyllum lipense Ames
Bulbophyllum lobbii Lindl.
Bulbophyllum loherianum (Kraenzl) Ames
Bulbophyllum longiflorum Thouars
Bulbophyllum longipetiolatum Ames
Bulbophyllum macranthum Lindl.
Bulbophyllum maculatum Boxall ex Náves
Bulbophyllum maculosum Ames
Bulbophyllum makoyanum (Rchb.f.) Ridl.
Bulbophyllum maquilingense Ames & Quisumb.
Bulbophyllum marivelense Ames
Bulbophyllum masaganapense Ames
Bulbophyllum maxillare (Lindl.) Rchb.f.
Bulbophyllum mearnsii Ames
Bulbophyllum melanoglossum Kraenzl
Bulbophyllum membranifolium Hook.f.
Bulbophyllum merrittii Ames
Bulbophyllum mindorense Ames
Bulbophyllum monstrabile Ames
Bulbophyllum mutabile (Blume) Lindl.
Bulbophyllum nasseri Garay
Bulbophyllum negrosianum Ames
Bulbophyllum nemorale L.O.Williams
Bulbophyllum nymphopolitanum Kraenzl
Bulbophyllum odoratum (Blume) Lindl.
Bulbophyllum orthoglossum Kraenzl
Bulbophyllum othonis (Kuntze) J.J.Sm.
Bulbophyllum pampangense Ames
Bulbophyllum papillipetalum Ames
Bulbophyllum papulosum Garay
Bulbophyllum pardalotum Garay, Hamer & Siegerist
Bulbophyllum pauciflorum Ames
Bulbophyllum penduliscapum J.J.Sm.
Bulbophyllum peramoenum Ames
Bulbophyllum piestoglossum J.J.Verm.
Bulbophyllum pleurothalloides Ames
Bulbophyllum plumatum Ames
Bulbophyllum puguahaanense Ames
Bulbophyllum putidum (Teijsm. & Binn.) J.J.Sm.
Bulbophyllum recurvilabre Garay
Bulbophyllum reilloi Ames
Bulbophyllum reticulatum Boxall ex Náves
Bulbophyllum rhizomatosum Ames & C.Schweinf.
Bulbophyllum santosii Ames
Bulbophyllum sapphirinum Ames
Bulbophyllum saurocephalum Rchb.f.
Bulbophyllum savaiense Schltr. subsp. *subcubicum* (J.J.Sm.) J.J.Verm.
Bulbophyllum schefferi (Kuntze) Schltr.
Bulbophyllum sempiternum Ames
Bulbophyllum sensile Ames

Bulbophyllum sibuyanense Ames
Bulbophyllum stellatum Ames
Bulbophyllum subaequale Ames
Bulbophyllum superfluum Kraenzl
Bulbophyllum surigaense Ames & Quisumb.
Bulbophyllum tenuifolium (Blume) Lindl.
Bulbophyllum toppingii Ames
Bulbophyllum tortuosum (Blume) Lindl.
Bulbophyllum trigonosepalum Kraenzl
Bulbophyllum trisetum Ames
Bulbophyllum unguiculatum Rchb.f.
Bulbophyllum uniflorum (Blume) Hassk.
Bulbophyllum vagans Ames & Rolfe
Bulbophyllum vaginatum (Lindl.) Rchb.f.
Bulbophyllum vermiculare Hook.f.
Bulbophyllum weberi Ames
Bulbophyllum whitfordii Rolfe ex Ames
Bulbophyllum williamsii A.D.Hawkes
Bulbophyllum woelfliae Garay, Senghas & Lemcke
Bulbophyllum zambalense Ames
Bulbophyllum zamboangense Ames

Cadetia

Cadetia microphyton (L.O.Williams) Christenson

Calanthe

Calanthe angustifolia (Blume) Lindl.
Calanthe conspicua Lindl.
Calanthe davaensis Ames
Calanthe elmeri Ames
Calanthe halconensis Ames
Calanthe hennisii Loher
Calanthe jusnerii Boxall ex Náves
Calanthe lacerata Ames
Calanthe lyroglossa Rchb.f.
Calanthe maquilingensis Ames
Calanthe masuca Boxall ex Náves
Calanthe mcgregorii Ames
Calanthe mindorensis Ames
Calanthe nivalis Boxall ex Náves
Calanthe pulchra (Blume) Lindl.
Calanthe rubens Ridl.
Calanthe triplicata (Willemet) Ames
Calanthe vestita Lindl.

Camarotis

Camarotis purpurea Boxall ex Náves

Cephalantheropsis

Cephalantheropsis gracilis (Lindl.) S.Y.Hu
Cephalantheropsis halconensis (Ames) S.S.Ying
Cephalantheropsis longipes (Hook.f.) Ormerod
Cephalantheropsis obcordata (Lindl.) Ormerod

Ceratocentron

Ceratocentron fesselii Senghas

Ceratostylis

Ceratostylis caespitosa L.O.Williams
Ceratostylis dataensis Ames
Ceratostylis elmeri Ames
Ceratostylis incognita J.T.Atwood & Beckner
Ceratostylis loheri L.O.Williams
Ceratostylis mindanaensis Ames
Ceratostylis philippinensis Rolfe ex Ames
Ceratostylis ramosa Ames & Rolfe
Ceratostylis retisquama Rchb.f.
Ceratostylis senilis Rchb.f.
Ceratostylis subulata Blume
Ceratostylis wenzelii Ames

Chamaeanthus

Chamaeanthus brachystachys Schltr.

Cheirostylis
Cheirostylis chinensis Rolfe
Cheirostylis merrillii (Ames & Quisumb.) Ormerod
Cheirostylis octodactyla Ames
Chelonistele
Chelonistele sulphurea (Blume) Pfitzer
Chrysoglossum
Chrysoglossum ornatum Blume
Cleisostoma
Cleisostoma chrysochilum Kraenzl
Cleisostoma duplicilobum (J.J.Sm.) Garay
Cleisostoma sagittatum Blume
Cleisostoma striolatum (Rchb.f.) Garay
Cleisostoma subulatum Blume
Cleisostoma uraiense (Hayata) Garay & H.R.Sweet
Cleisostoma weberi (Ames) Garay
Coelogyne
Coelogyne asperata Lindl.
Coelogyne bilamellata Lindl.
Coelogyne candoonensis Ames
Coelogyne chloroptera Rchb.f.
Coelogyne ciliata Boxall ex Náves
Coelogyne confusa Ames
Coelogyne elmeri Ames
Coelogyne integerrima Ames
Coelogyne loheri Rolfe
Coelogyne longirachis Ames
Coelogyne marmorata Rchb.f.
Coelogyne merrillii Ames
Coelogyne minutissima Kraenzl
Coelogyne palawanensis Ames
Coelogyne pandurata Lindl.
Coelogyne quinquelamellata Ames
Coelogyne remediosiae Ames & Quisumb.
Coelogyne rochussenii de Vriese
Coelogyne sparsa Rchb.f.
Coelogyne swaniana Rolfe
Coelogyne usitana Roeth & O.Gruss
Coelogyne vanoverberghii Ames
Coelogyne viscosa Boxall ex Náves
Collabium
Collabium formosanum Hayata
Cordiglottis
Cordiglottis filiformis (Hook.f.) Garay
Corybas
Corybas laceratus L.O.Williams
Corybas merrillii (Ames) Ames
Corybas ramosianus J.Dransf.
Corymborkis
Corymborkis veratrifolia (Reinw.) Blume
Cryptostylis
Cryptostylis acutata J.J.Sm.
Cryptostylis arachnites (Blume) Hassk.
Cryptostylis taiwaniana Masam.
Cymbidium
Cymbidium aliciae Quisumb.
Cymbidium atropurpureum (Lindl.) Rolfe
Cymbidium bicolor Lindl. subsp. *pubescens* (Lindl.) Du Puy & P.J.Cribb
Cymbidium cyperifolium Wall. ex Lindl. subsp. *indochinense* Du Puy & P.J.Cribb
Cymbidium dayanum Rchb.f.
Cymbidium ensifolium (L.) Sw.
Cymbidium finlaysonianum Lindl.
Cymbidium huttonii Boxall ex Náves
Cyrtosia
Cyrtosia sp.
Cystorchis
Cystorchis aphylla Ridl.
Cystorchis javanica (Blume) Blume
Cystorchis luzonensis Ames
Dendrobium
Dendrobium aclinia Rchb.f.
Dendrobium acuminatissimum (Blume) Lindl.

Dendrobium agusanense Ames
Dendrobium albayense Ames
Dendrobium album Boxall ex Náves
Dendrobium aliciae Ames & Quisumb.
Dendrobium aloifolium (Blume) Rchb.f.
Dendrobium amethystoglossum Rchb.f.
Dendrobium anosmum Lindl.
Dendrobium aphyllum (Roxb.) C.E.C.Fisch.
Dendrobium auriculatum Ames & Quisumb.
Dendrobium balzerianum Fessel & Lückel
Dendrobium basilanense Ames
Dendrobium bicaudatum Reinw. ex Lindl.
Dendrobium blanche-amesii A.D.Hawkes & A.H.Heller
Dendrobium blumei Lindl.
Dendrobium bukidnonense Ames & Quisumb.
Dendrobium bullenianum Rchb.f.
Dendrobium bunuanense Ames
Dendrobium cabadbarense Ames
Dendrobium carinatum (L.) Willd.
Dendrobium ceraula Rchb.f.
Dendrobium cerinum Rchb.f.
Dendrobium chameleon Ames
Dendrobium compactum Rolfe
Dendrobium conanthum Schltr.
Dendrobium crassimarginatum L.O.Williams
Dendrobium crumenatum Sw.
Dendrobium cultratum Schltr.
Dendrobium dayanum Boxall ex Náves
Dendrobium dearei Rchb.f.
Dendrobium diffusum L.O.Williams
Dendrobium distichum (Presl) Rchb.f.
Dendrobium elmeri Ames
Dendrobium equitans Kraenzl
Dendrobium escritorii Ames
Dendrobium fairchildiae Ames & Quisumb.
Dendrobium gerlandianum Kraenzl
Dendrobium goldschmidtianum Kraenzl
Dendrobium guerreroi Ames & Quisumb.
Dendrobium hercoglossum Rchb.f.
Dendrobium heterocarpum Wall. ex Lindl.
Dendrobium hymenanthum Rchb.f.
Dendrobium indivisum (Blume) Miq.
Dendrobium ionopus Rchb.f.
Dendrobium junceum Lindl.
Dendrobium leytense Ames
Dendrobium linguella Rchb.f.
Dendrobium lunatum Lindl.
Dendrobium luzonense Lindl.
Dendrobium macrophyllum A.Rich
Dendrobium marivelense Ames
Dendrobium merrillii Ames
Dendrobium milaniae Fessel & Lückel
Dendrobium mindanaense Ames
Dendrobium miyasakii Ames & Quisumb.
Dendrobium modestum Rchb.f.
Dendrobium philippinense Ames
Dendrobium phillipsii Ames & Quisumb.
Dendrobium planibulbe Lindl.
Dendrobium platycaulon Rolfe
Dendrobium polytrichum Ames
Dendrobium pristinum Ames
Dendrobium profusum Rchb.f.
Dendrobium pseudoequitans Fessel & Lückel
Dendrobium quisumbingii A.D.Hawkes & A.H.Heller
Dendrobium ramosii Ames

Dendrobium salaccense (Blume) Lindl.
Dendrobium sanderae Rolfe
Dendrobium sanderae Rolfe var. *parviflorum* Anschuetz ex Quisumb.
Dendrobium sanderae Rolfe var. *surigaense* Quisumb.
Dendrobium sanguinolentum Lindl.
Dendrobium schuetzei Rolfe
Dendrobium secundum (Blume) Lindl.
Dendrobium sibuyanense Lubag-Arquiza Lubag-Arquiza, Naranja, Baldos, & Sacdalan

Dendrochilum

Dendrochilum abortum (Ames) L.O.Williams
Dendrochilum affine Ames
Dendrochilum amesianum H.A.Pedersen
Dendrochilum anfractum (Ames) Pfitzer
Dendrochilum anfractum (Ames) Pfitzer var. *anfractoides* (Ames) L.O.Williams
Dendrochilum apiculatum (Ames) L.O.Williams
Dendrochilum apoense T.Hashim.
Dendrochilum arachnites Rchb.f.
Dendrochilum asperum L.O.Williams
Dendrochilum auriculare Ames
Dendrochilum binuangense Ames
Dendrochilum cinnabarinum Pfitzer in Engl.
Dendrochilum cinnabarinum Pfitzer var. *sanguineum* (Ames) H.A.Pedersen
Dendrochilum cobbianum Rchb.f.
Dendrochilum convallariaeforme Schauer
Dendrochilum convallariaeforme Schauer var. *minor* (Ames) H.A.Pedersen
Dendrochilum cootesii H.A.Pedersen
Dendrochilum copelandii (Ames) Ames
Dendrochilum cordatum H.A.Pedersen
Dendrochilum curranii Ames
Dendrochilum curranii Ames var. *serratoi* (Ames) L.O.Williams
Dendrochilum cymbiforme Ames
Dendrochilum ecallosum Ames
Dendrochilum edanoi Quisumb.
Dendrochilum elmeri Ames
Dendrochilum exiguum (Ames) H.A.Pedersen
Dendrochilum exile Ames
Dendrochilum eximium (Ames) L.O.Williams
Dendrochilum filiforme Lindl.
Dendrochilum flexuosum H.A.Pedersen
Dendrochilum foxworthyi Ames
Dendrochilum glumaceum Lindl.
Dendrochilum graciliscapum (Ames) Pfitzer
Dendrochilum graminifolium (Ames) Pfitzer
Dendrochilum hastatum Ames
Dendrochilum hutchinsonianum Ames
Dendrochilum irigense Ames
Dendrochilum javieri L.K.Magrath, Bulmer & I.Shafer
Dendrochilum kingii (Hook.f.) J.J.Sm.
Dendrochilum latifolium Lindl.
Dendrochilum latifolium Lindl. var. *macranthum* (Schltr.) H.A.Pedersen
Dendrochilum loheri Ames
Dendrochilum longibulbum Ames
Dendrochilum longifolium Rchb.f.
Dendrochilum longilabre (Ames) Pfitzer

Dendrochilum louisianum H.A.Pedersen
Dendrochilum luzonense Ames
Dendrochilum magnum Rchb.f.
Dendrochilum maleolens Kraenzl
Dendrochilum malindangense Ames
Dendrochilum marginatum (Ames) L.O.Williams
Dendrochilum mcgregorii Ames
Dendrochilum mearnsii Ames
Dendrochilum merrillii (Ames) Pfitzer
Dendrochilum microchilum (Schltr.) Ames
Dendrochilum mindanaense (Ames) L.O.Williams
Dendrochilum mindorense Ames
Dendrochilum niveum Ames
Dendrochilum ocellatum (Ames) Pfitzer
Dendrochilum oliganthum (Ames) Pfitzer
Dendrochilum oreophilum (Ames) L.O.Williams
Dendrochilum pallideflavens Blume
Dendrochilum pangasinanense Ames
Dendrochilum parvipapillatum H.A.Pedersen
Dendrochilum parvulum (Ames) Pfitzer
Dendrochilum parvulum (Ames) Pfitzer var. *strictiforme* (Ames) H.A.Pedersen
Dendrochilum perplexum (Ames) L.O.Williams
Dendrochilum perplexum (Ames) L.O.Williams var. *montanum* (Ames) H.A.Pedersen
Dendrochilum philippinense (Ames) Pfitzer
Dendrochilum philippinense (Ames) Pfitzer var. *purpureum* (Ames) H.A.Pedersen
Dendrochilum plocoglottoides H.A.Pedersen
Dendrochilum prodigiosum Ames
Dendrochilum propinquum Ames
Dendrochilum pulcherrimum (Ames) L.O.Williams
Dendrochilum pulogense Ames
Dendrochilum pumilum Rchb.f.
Dendrochilum pumilum Rchb.f. var. *recurvum* (Ames) H.A.Pedersen
Dendrochilum quadrilobum Ames
Dendrochilum quisumbingianum H.A.Pedersen
Dendrochilum reniforme Ames
Dendrochilum rhombophorum (Rchb.f.) Ames
Dendrochilum rotundilabium L.O.Williams
Dendrochilum saccolabium Kraenzl
Dendrochilum schweinfurthianum (Ames) L.O.Williams
Dendrochilum simulacrum Ames
Dendrochilum smithianum (Ames) L.O.Williams
Dendrochilum stenophyllum L.O.Williams
Dendrochilum tenellum (Nees & Meyen) Ames
Dendrochilum tenuibulbum (Ames) L.O.Williams
Dendrochilum tenuifolium (Ames) Pfitzer in Engl.
Dendrochilum tetradactyliferum H.A.Pedersen
Dendrochilum turpe (Ames) Pfitzer
Dendrochilum uncatum Rchb.f.
Dendrochilum uncatum Rchb.f. var. *longispicatum* (Ames) H.A.Pedersen
Dendrochilum unicallosum L.O.Williams

Dendrochilum unicorne (Ames) L.O.Williams
Dendrochilum vanoverberghii Ames
Dendrochilum wenzelii Ames
Dendrochilum williamsii (Ames) Pfitzer
Dendrochilum woodianum Ames
Dendrochilum yuccaefolium L.O.Williams

Didymoplexis
Didymoplexis pallens Griff.
Didymoplexis philippinensis Ames

Diglyphosa
Diglyphosa latifolia Blume

Dilochia
Dilochia elmeri Ames in Elmer

Diplocaulobium
Diplocaulobium clemensiae (Ames) A.D.Hawkes

Dipodium
Dipodium paludosum (Griff.) Rchb.f.
Dipodium pictum (Lindl.) Rchb.f.

Disperis
Disperis neilgherrensis Wight

Epiblastus
Epiblastus merrillii L.O.Williams

Epigeneium
Epigeneium acuminatum (Rolfe ex Ames) Summerh.
Epigeneium stellasilvae (Loher & Kraenzl) Summerh.
Epigeneium treacherianum (Rchb.f. ex Hook.f.) Summerh.

Epipogium
Epipogium roseum (D.Don) Lindl.

Eria
Eria albolutea Rolfe
Eria aliciae Quisumb.
Eria anceps Leav.
Eria aporoides Lindl.
Eria barbifrons Kraenzl
Eria brachystachya Rchb.f.
Eria bractescens Lindl.
Eria candoonensis Ames
Eria carnicolor Ames
Eria citrina Ridl.
Eria clemensiae Leav.
Eria compacta Ames
Eria copelandii Leav.
Eria copelandii Leav. var. *fusiformis* Leav.
Eria curranii Leav.
Eria cylindrostachya Ames
Eria cymbiformis J.J.Sm.
Eria dagamensis Ames
Eria davaensis Ames
Eria fastigiatifolia Ames
Eria floribunda Lindl.
Eria gigantea Ames
Eria hutchinsoniana Ames
Eria jarensis Ames
Eria javanica (Sw.) Blume
Eria lamellata Ames
Eria leavittii Kraenzl
Eria longibracteata Leav.
Eria longicruris Leav.
Eria longilabris Lindl.
Eria longissima Ames & Quisumb.
Eria lyonii Leav.
Eria macera Ames
Eria major Ridl.
Eria maquilingensis Ames
Eria mearnsii Leav.
Eria merrittii Ames
Eria microchila Ames
Eria mindanaensis Ames
Eria ornata (Blume) Lindl.
Eria ovata Lindl.
Eria palawanensis Ames
Eria perspicabilis Ames
Eria philippinensis Ames
Eria polyura Lindl.
Eria profusa Lindl.

Eria propinqua Ames
Eria puguahaanensis Ames
Eria ramosa Ames
Eria rhodoptera Rchb.f.
Eria ringens Rchb.f.
Eria senilis Ames
Eria taylorii Ames
Eria tridens Ames
Eria vanoverberghii Ames
Eria ventricosa Leav.
Eria whitfordii Leav.
Eria woodiana Ames
Eria xanthocheila Ridl.
Eria zamboangensis Ames

Erythrodes
Erythrodes boettcheri Ames
Erythrodes weberi Ames
Erythrodes wenzelii Ames

Erythrorchis
Erythrorchis altissima (Blume) Blume

Eulophia
Eulophia andamanensis Rchb.f.
Eulophia bicallosa (D.Don) P.F.Hunt & Summerh.
Eulophia dentata Ames
Eulophia exaltata Rchb.f.
Eulophia graminea Lindl.
Eulophia pulchra (Thouars) Lindl.
Eulophia spectabilis (Dennst.) Suresh
Eulophia zollingeri (Rchb.f.) J.J.Sm.

Flickingeria
Flickingeria bancana (J.J.Sm.) A.D.Hawkes
Flickingeria candoonensis (Ames) Fessel & Lückel
Flickingeria chrysographata (Ames) A.D.Hawkes
Flickingeria comata (Blume) A.D.Hawkes
Flickingeria eurorum (Ames) A.D.Hawkes
Flickingeria fimbriata (Blume) A.D.Hawkes
Flickingeria junctiloba Fessel & Lückel
Flickingeria luxurians (J.J.Sm.) A.D.Hawkes
Flickingeria pseudoconvexa (Ames) A.D.Hawkes
Flickingeria purpureostelidia (Ames) A.D.Hawkes
Flickingeria unicornis (Ames) A.D.Hawkes
Flickingeria xantholeuca (Rchb.f.) A.D.Hawkes

Galeola
Galeola nudifolia Lour.

Gastrochilus
Gastrochilus calceolaris (Buch.-Ham. ex Sm.) D.Don
Gastrochilus sororius Schltr.

Gastrodia
Gastrodia javanica (Blume) Lindl.

Geodorum
Geodorum densiflorum (Lam.) Schltr.

Glomera
Glomera merrillii Ames

Goodyera
Goodyera clausa (Eaton ex Ames) Schltr.
Goodyera dawsonii Boxall ex Náves
Goodyera elmeri (Ames) Ames
Goodyera fumata Thwaites
Goodyera luzonensis Ames
Goodyera picta Boxall ex Náves
Goodyera procera (Ker Gawl.) Hook.
Goodyera ramosii Ames
Goodyera rubicunda (Blume) Lindl.
Goodyera viridiflora (Blume) Blume

Grammatophyllum

Grammatophyllum elegans Rchb.f.
Grammatophyllum martae Quisumb. ex Valmayor & D.Tiu
Grammatophyllum measuresianum Sander
Grammatophyllum multiflorum Lindl.
Grammatophyllum scriptum (L.) Blume
Grammatophyllum speciosum Blume
Grammatophyllum stapeliiflorum (Teijsm. & Binn.) J.J.Sm.
Grammatophyllum wallisii Rchb.f.

Grosourdya
Grosourdya appendiculata (Blume) Rchb.f.
Grosourdya tripercus (Ames) Garay

Habenaria
Habenaria alagensis Ames
Habenaria aristulifera Rchb.f.
Habenaria boadanensis Ames
Habenaria congesta Ames
Habenaria curranii Ames
Habenaria dentata (Sw.) Schltr.
Habenaria diphylla (Nimmo) Dalz.
Habenaria falcigera Rchb.f.
Habenaria intrudens Ames
Habenaria leibergii Ames
Habenaria lingulosa Ames
Habenaria malintana (Blanco) Merr.
Habenaria mearnsii Ames
Habenaria muricata (Schauer) Rchb.f.
Habenaria ponerostachys Rchb.f.
Habenaria reticulata Ames
Habenaria rhodocheila Hance subsp. *philippinensis* (Ames) Christenson
Habenaria robinsonii Ames
Habenaria rosulata Ames
Habenaria rumphii (Brongn.) Lindl.
Habenaria stenopetala Lindl.
Habenaria vanoverberghii Ames
Habenaria warburgiana Kraenzl
Habenaria zephyrica Ames

Herminium
Herminium lanceum (Thunb. ex Sw.) Vuijk

Hetaeria
Hetaeria anomala (Lindl.) Hook.f.
Hetaeria mindanaensis Ames
Hetaeria oblongifolia Blume
Hetaeria wenzelii Ames

Hippeophyllyum
Hippeophyllum wenzelii Ames

Hylophila
Hylophila lanceolata (Blume) Miq.
Hylophila rubra Ames

Hymenorchis
Hymenorchis vanoverberghii (Ames) Garay

Kuhlhasseltia
Kuhlhasseltia whiteheadii (Rendle) Ames
Kuhlhasseltia yakushimensis (Yamam.) Ormerod

Lecanorchis
Lecanorchis javanica Blume

Lepidogyne
Lepidogyne longifolia (Blume) Blume

Liparis
Liparis amesiana Schltr.
Liparis benguetensis (Ames) Schltr.
Liparis bontocensis Ames
Liparis bootanensis Griff.
Liparis cauliflora Merr.
Liparis clemensiae (Ames) Ames
Liparis compressa (Blume) Lindl.
Liparis condylobulbon Rchb.f.
Liparis cumingii Ridl.
Liparis distans C.B.Clarke
Liparis dumaguetensis Ames
Liparis elegans Lindl.
Liparis elliptica Wight

Liparis elmeri (Ames) Schltr.
Liparis fragilis (Ames) Ames
Liparis fulgens Rolfe
Liparis halconensis (Ames) Ames
Liparis jarensis Ames
Liparis leytensis Ames
Liparis linearifolia (Ames) Ames
Liparis magnicallosa Ames
Liparis merrillii (Ames) Schltr.
Liparis monophylla Ames
Liparis negrosiana Ames
Liparis nutans (Ames) Ames
Liparis palawanensis Ames
Liparis pallida (Blume) Lindl.
Liparis parviflora (Blume) Lindl.
Liparis pectinata Ridl.
Liparis philippinensis (Ames) Schltr.
Liparis poilanei Gagnep.
Liparis prava Ames
Liparis propinqua Ames
Liparis rizalensis Ames
Liparis robusta Hook.f.
Liparis tricallosa Rchb.f.
Liparis trichoglottis (Ames) Schltr.
Liparis viridiflora (Blume) Lindl.
Liparis wenzelii Ames

Ludisia

Ludisia discolor (Ker Gawl.) Blume

Luisia

Luisia cordatilabia Ames &Quisumb.
Luisia curtisii Seidenf.
Luisia foxworthii Ames
Luisia ramosii Ames
Luisia teretifolia Gaudich.
Luisia valida Rchb.f.

Macodes

Macodes petola (Blume) Lindl.
Macodes setaceus Boxall ex Náves
Macodes striatus Boxall ex Náves
Macodes veitchii Boxall ex Náves
Macodes xanthophyllus Boxall ex Náves

Macropodanthus

Macropodanthus philippinensis L.O.Williams

Malaxis

Malaxis acuminata D.Don
Malaxis alagensis (Ames) Ames
Malaxis arietina Ames
Malaxis atrosanguinea Ames
Malaxis balabacensis Ames
Malaxis bancanoides Ames
Malaxis bataanensis Ames
Malaxis benguetensis Ames
Malaxis binabayensis (Ames) Ames
Malaxis bracteosa Ames
Malaxis bulusanensis Ames
Malaxis copelandii Ames
Malaxis cuneipetala Ames
Malaxis davaensis Ames
Malaxis dentata (Ames) Ames
Malaxis elmeri Ames
Malaxis epiphytica Ames
Malaxis hutchinsoniana (Ames) Ames
Malaxis lilacina Ames
Malaxis merrillii (Ames) Ames
Malaxis mindorensis (Rendle) Ames
Malaxis monophyllos (L.) Sw.
Malaxis negrosiana Ames
Malaxis ophrydis (J.Koenig) Ormerod
Malaxis propinqua Ames
Malaxis purpureiflora Ames & Quisumb.
Malaxis quadridentata (Ames) Ames
Malaxis quadriloba Ames
Malaxis ramosii Ames
Malaxis rizalensis Ames
Malaxis taylorii Ames
Malaxis uncata Ames
Malaxis wenzelii Ames

Malaxis williamsii Ames
Malleola
Malleola constricta Ames
Malleola lyonii Ames
Megalotus
Megalotus bifidus (Lindl.) Garay
Micropera
Micropera loheri (L.O.Williams) Garay
Micropera pallida (Roxb.) Lindl.
Micropera philippinensis (Lindl.) Garay
Micropera utriculosa (Ames) Garay
Microsaccus
Microsaccus griffithii (Parish & Rchb.f.) Seidenf.
Microsaccus wenzelii Ames
Microstylis
Microstylis odorata Boxall ex Náves
Microtatorchis
Microtatorchis aristata Garay
Microtatorchis compacta (Ames) Schltr.
Microtis
Microtis unifolia (G.Forst.) Rchb.f.
Myrmechis
Myrmechis gracilis (Blume) Blume
Myrmechis perpusilla Ames
Myrmechis philippinensis Ames
Nephelaphyllum
Nephelaphyllum mindorense Ames
Nephelaphyllum pulchrum Blume
Nervilia
Nervilia aragoana Gaudich.
Nervilia crociformis (Zoll. & Moritzi) Seidenf.
Nervilia dilatata (Blume) Schltr.
Nervilia plicata (Andrews) Schltr.
Neuwiedia
Neuwiedia veratrifolia Blume
Oberonia
Oberonia aporophylla Rchb.f.
Oberonia basilanensis Ames
Oberonia benguetensis Ames
Oberonia cylindrica Lindl.
Oberonia elmeri Ames
Oberonia hispidula Ames
Oberonia iridifolia (Roxb.) Lindl.
Oberonia leytensis Ames
Oberonia lipensis Ames
Oberonia luzonensis Ames
Oberonia lycopodioides (J.Koenig) Ormerod
Oberonia mcgregorii Ames
Oberonia merrillii Ames
Oberonia mindorensis Ames
Oberonia minima Ames
Oberonia minutissima Ames
Oberonia monstruosa (Blume) Lindl.
Oberonia obesa Ames
Oberonia reilloi Ames
Oberonia setigera Ames
Oberonia surigaensis Ames
Oberonia thisbe Rchb.f.
Oberonia toppingii Ames
Oberonia wenzelii Ames
Octarrhena
Octarrhena amesiana Schltr.
Octarrhena ensifolia (Ames) Schltr.
Octarrhena gemmifera Ames
Octarrhena parvula Thwaites
Omoea
Omoea philippinensis Ames
Orchipedum
Orchipedum wenzelii (Ames) J.J.Sm.
Pachystoma
Pachystoma pubescens Blume
Paphiopedilum
Paphiopedilum acmodontum Schoser ex M.W.Wood
Paphiopedilum adductum Asher
Paphiopedilum adductum Asher var. *anitum* (Golamco) Koop.
Paphiopedilum argus (Rchb.f.) Stein

Paphiopedilum ciliolare (Rchb.f.) Stein
Paphiopedilum fowliei Birk
Paphiopedilum haynaldianum (Rchb.f.) Stein
Paphiopedilum haynaldianum (Rchb.f.) Stein var. *laurae* Golamco
Paphiopedilum hennisianum (M.W.Wood) Fowlie
Paphiopedilum parnatanum Cavestro
Paphiopedilum philippinense (Rchb.f.) Stein
Paphiopedilum philippinense (Rchb.f.) Stein var. *roebelenii* (Veitch) P.J.Cribb
Paphiopedilum randsii Fowlie
Paphiopedilum urbanianum Fowlie
Paphiopedilum x *expansum* J.T.Atwood

Pennilabium
Pennilabium confusum (Ames) Garay
Pennilabium luzonense (Ames) Garay

Peristylus
Peristylus copelandii (Ames) Carr
Peristylus goodyeroides (D.Don) Lindl.
Peristylus lacertifer (Lindl.) J.J.Sm.
Peristylus maingayi (King & Pantl.) J.J.Wood & Ormerod
Peristylus monticola (Ridl.) Seidenf.
Peristylus warburgianus Kraenzl

Phauis
Phaius amboinensis Blume
Phaius borneensis J.J.Sm.
Phaius flavus (Blume) Lindl.
Phaius fragilis L.O.Williams
Phaius linearifolius Ames
Phaius lyonii Ames
Phaius mishmensis (Lindl. & Paxton) Rchb.f.
Phaius philippinensis N.E.Br.
Phaius tankervilleae (Banks ex L'Hér.) Blume

Phalaenopsis
Phalaenopsis amabilis (L.) Blume
Phalaenopsis aphrodite Rchb.f.
Phalaenopsis bastianii O.Gruss & Roellke
Phalaenopsis cornucervi (Breda) Blume & Rchb.f.
Phalaenopsis deliciosa Rchb.f.
Phalaenopsis equestris (Schauer) Rchb.f.
Phalaenopsis fasciata Rchb.f.
Phalaenopsis fuscata Rchb.f.
Phalaenopsis hieroglyphica (Rchb.f.) H.R.Sweet
Phalaenopsis lindenii Loher
Phalaenopsis lueddemanniana Rchb.f.
Phalaenopsis mariae Burb. Ex R.Warner & B.S.Williams
Phalaenopsis micholitzii Rolfe
Phalaenopsis pallens (Lindl.) Rchb.f.
Phalaenopsis pallens (Lindl.) Rchb.f. var. *trullifera* H.R.Sweet,
Phalaenopsis philippinensis Golamco ex Fowlie & C.Z.Tang
Phalaenopsis pulchra (Rchb.f.) H.R.Sweet
Phalaenopsis reichenbachiana Rchb.f. & Sander
Phalaenopsis sanderiana Rchb.f.
Phalaenopsis sanderiana Rchb.f.
Phalaenopsis marmorata Rchb.f.
Phalaenopsis schilleriana Rchb.f.
Phalaenopsis stuartiana Rchb.f.
Phalaenopsis stuartiana Rchb.f. f. *punctatissima* (Rchb.f.) Christenson
Phalaenopsis sumatrana Korth. & Rchb.f.
Phalaenopsis x *amphitrite* Kraenzl
Phalaenopsis x *intermedia* Lindl.

Phalaenopsis x *leucorrhoda* Rchb.f.
Phalaenopsis x *veitchiana* Rchb.f.

Pholidota
Pholidota articulata Lindl.
Pholidota carnea (Blume) Lindl.
Pholidota imbricata Hook.
Pholidota ventricosa (Blume) Rchb.f.

Phragmorchis
Phragmorchis teretifolia L.O.Williams

Phreatia
Phreatia amesii Kraenzl
Phreatia aristulifera Ames
Phreatia caulescens Ames
Phreatia densiflora (Blume) Lindl.
Phreatia elmeri Ames
Phreatia infundibuliformis Ames
Phreatia luzonensis Rolfe ex Ames
Phreatia mearnsii Ames
Phreatia negrosiana Ames
Phreatia plantaginifolia (J.Koenig) Ormerod
Phreatia prorepens Rchb.f.
Phreatia ramosii Ames
Phreatia sulcata (Blume) J.J.Sm.
Phreatia vanoverberghii Ames
Phreatia wenzelii Ames
Phreatia xantholeuca Kraenzl

Pilophyllum
Pilophyllum villosum (Blume) Schltr.

Platanthera
Platanthera angustata (Blume) Lindl.

Plocoglottis
Plocoglottis bicallosa Ames
Plocoglottis bicomata L.O.Williams
Plocoglottis copelandii Ames
Plocoglottis loheriana (Kraenzl) Goebel
Plocoglottis lucbanensis Ames
Plocoglottis mindorensis Ames
Plocoglottis plicata (Roxb.) Ormerod

Poaephyllum
Poaephyllum grandiflorum Quisumb.
Poaephyllum pauciflorum (Hook.f.) Ridl.

Podochilus
Podochilus bicaudatus Schltr.
Podochilus cumingii Schltr.
Podochilus hystricinus Ames
Podochilus intricatus Ames
Podochilus longilabris Ames
Podochilus lucescens Blume
Podochilus plumosus Ames
Podochilus ramosii Ames
Podochilus sciuroides Rchb.f.
Podochilus serpyllifolius (Blume) Lindl.
Podochilus strictus Ames

Polystachya
Polystachya concreta (Jacq.) Garay &H.R.Sweet

Pomatocalpa
Pomatocalpa bicolor (Lindl.) J.J.Sm.
Pomatocalpa fuscum J.J.Sm.
Pomatocalpa kunstleri (Hook.f.) J.J.Sm.
Pomatocalpa spicatum Breda

Pristiglottis
Pristiglottis mindanaensis (Ames) Cretz.& J.J.Sm.
Pristiglottis philippinensis (Ames) Cretz. & J.J.Sm.

Pseudovanilla
Pseudovanilla philippinensis (Ames) Garay

Pteroceras
Pteroceras cladostachyum (Hook.f.) H.A.Pedersen
Pteroceras leopardinum (Parish & Rchb.f.) Seidenf. & Smitinand

Pteroceras longicalcareum (Ames & Rolfe) Garay
Pteroceras pallidum (Blume) Holttum
Pteroceras philippinense (Ames) Garay
Pteroceras teres (Blume) Holttum
Pteroceras unguiculatum (Lindl.) H.A.Pedersen

Renanthera
Renanthera amabilis Boxall ex Náves
Renanthera angustifolia Hook.f.
Renanthera brevifolia (Rchb.f.) R. Rice & J.J. Wood
Renanthera elongata (Blume) Lindl.
Renanthera monachica Ames
Renanthera philippinensis (Ames & Quisumb.) L.O.Williams
Renanthera storiei Rchb.f.

Rhomboda
Rhomboda blackii (Ames) Ormerod
Rhomboda cristata (Blume) Ormerod
Rhomboda lanceolata (Lindl.) Ormerod
Rhomboda weberi (Ames) Ormerod

Rhyncostylis
Rhynchostylis gigantea (Lindl.) Ridl.
Rhynchostylis retusa (L.) Blume

Robiquetia
Robiquetia cerina (Rchb.f.) Garay
Robiquetia compressa (Lindl.) Schltr.
Robiquetia discolor (Rchb.f.) Seidenf. & Garay
Robiquetia pantherina (Kraenzl) Ames
Robiquetia spatulata (Blume) J.J.Sm.
Robiquetia vanoverberghii Ames

Saccolabiopsis
Saccolabiopsis tenella (Ames) Garay

Saccolabium
Saccolabium semiclausum Kraenzl

Sarcophyton
Sarcophyton crassifolium (Lindl. &Paxton) Garay
Sarcophyton pachyphyllum (Ames) Garay

Schoenorchis
Schoenorchis micrantha Reinw. ex Blume
Schoenorchis paniculata Blume

Schuitemania
Schuitemania merrillii (Ames) Ormerod

Spathoglottis
Spathoglottis chrysantha Ames
Spathoglottis elmeri Ames
Spathoglottis kimballiana Hort. var. *angustifolia* Ames
Spathoglottis kimballiana Hort. var. *antiquensis* T.Green
Spathoglottis palawanensis Lubag-Arquiza
Spathoglottis philippinensis Lubag- Arquiza
Spathoglottis plicata Blume
Spathoglottis tomentosa Lindl.
Spathoglottis vanoverberghii Ames
Spathoglottis x *parsonsii* (Ames & Quisumb.) Ames & Quisumb.

Spiranthes
Spiranthes sinensis (Pers.) Ames

Stereosandra
Stereosandra javanica Blume
Taeniophyllum
Taeniophyllum copelandii Ames
Taeniophyllum elmeri Ames
Taeniophyllum leytense Ames
Taeniophyllum merrillii Ames
Taeniophyllum philippinense Rchb.f.
Taeniophyllum saccatum L.O.Williams
Tainia
Tainia elmeri Ames
Thecostele
Thecostele alata (Roxb.) Parish & Rchb.f.
Thelasis
Thelasis capitata Blume
Thelasis carinata Blume
Thelasis micrantha (Brongn.) J.J.Sm.
Thelasis obtusa Blume
Thelasis pygmaea (Griff.) Blume
Thelymitra
Thelymitra javanica Blume
Thrixspermum
Thrixspermum acuminatissimum (Blume) Rchb.f.
Thrixspermum agusanense Ames
Thrixspermum amesianum L.O.Williams
Thrixspermum amplexicaule (Blume) Rchb.f.
Thrixspermum angustatum L.O.Williams
Thrixspermum centipede Lour.
Thrixspermum croceum (Lindl.) Rchb.f.
Thrixspermum elmeri L.O.Williams
Thrixspermum elongatum Ames
Thrixspermum eximium L.O.Williams
Thrixspermum fantasticum L.O.Williams
Thrixspermum hystrix (Blume) Rchb.f.
Thrixspermum integrum L.O.Williams
Thrixspermum ligulatum L.O.Williams
Thrixspermum linearifolium Ames
Thrixspermum merguense (Hook.f.) Kuntze
Thrixspermum pensile Schltr.
Thrixspermum quinquelobum Ames
Thrixspermum robinsonii Ames
Thrixspermum rostratum Ames
Thrixspermum subulatum (Blume) Rchb.f.
Thrixspermum vanoverberghii Ames
Thrixspermum weberi Ames
Thrixspermum wenzelii Ames
Trichoglottis
Trichoglottis agusanensis Ames & Quisumb.
Trichoglottis amesiana L.O.Williams
Trichoglottis apoensis T.Hashim.
Trichoglottis atropurpurea Rchb.f.
Trichoglottis bataanensis Ames
Trichoglottis bicruris Kraenzl
Trichoglottis brachystachya (Kraenzl) Garay
Trichoglottis calochila L.O.Williams
Trichoglottis fasciata Rchb.f.
Trichoglottis geminata (Teijsm. & Binn.) J.J.Sm.
Trichoglottis guibertii (Linden & Rchb.f.) Rchb.f.
Trichoglottis intermedia L.O.Williams

Trichoglottis ionosma (Lindl.) J.J.Sm.
Trichoglottis latisepala Ames
Trichoglottis latisepala Ames var. *tricarinata* T.Hashim.
Trichoglottis loheriana (Kraenzl) L.O.Williams
Trichoglottis luchuensis (Rolfe) Garay & H.R.Sweet
Trichoglottis luzonensis Ames
Trichoglottis mindanaensis Ames
Trichoglottis philippinensis Lindl.
Trichoglottis rosea (Lindl.) Ames
Trichoglottis solerederi Kraenzl
Trichoglottis subviolacea (Llanos) Merr.
Trichoglottis tamesisii Quisumb. & C.Schweinf.

Trichotosia
Trichotosia binabayensis (Ames) Kraenzl
Trichotosia fusca (Blume) Teijsm. & Binn.
Trichotosia halconensis (Ames) Kraenzl
Trichotosia hirsutipetala (Ames) Schuit. & de Vogel
Trichotosia lagunensis (Ames) Schuit. & de Vogel
Trichotosia leytensis (Ames) Schuit. & de Vogel
Trichotosia mcgregorii (Ames) Schuit. & de Vogel
Trichotosia odorifera (Leav.) Kraenzl
Trichotosia ramosii (Leav.) Kraenzl
Trichotosia vulpina (Rchb.f.) Kraenzl

Tropidia
Tropidia angulosa (Lindl.) Blume
Tropidia mindanaensis Ames
Tropidia mindorensis Ames
Tropidia robinsonii Ames
Tropidia septemnervis (Schauer) Rchb.f.

Tuberolabium
Tuberolabium brevirhachis (L.O.Williams) J.J.Wood
Tuberolabium escritorii (Ames) Garay
Tuberolabium kotoense Yamam.
Tuberolabium quisumbingii (L.O.Williams) Christenson
Tuberolabium rhopalorrhachis (Rchb.f.) J.J.Wood
Tuberolabium sarcochiloides (Schltr.) Garay

Vanda
Vanda javierae D.Tiu ex Fessel & Lückel
Vanda lamellata Lindl.
Vanda cumingii Baxter in Loud.
Vanda lamellata Lindl. var. *boxallii* Rchb.f.
Vanda lamellata Lindl. var. *remediosiae* Ames & Quisumb.
Vanda limbata Blume
Vanda luzonica Loher ex Rolfe
Vanda merrillii Ames & Quisumb.
Vanda roeblingiana Rolfe
Vanda sanderiana Rchb.f.
Vanda sanderiana var. *immaculata* Golamco
Vanda scandens Holttum
Vanda ustii Golamco, Claustro & de Mesa

Vandopsis
Vandopsis lissochiloides (Gaudich.) Pfitzer in Engl. & Prantl

Vanilla
Vanilla calopogon Rchb.f.
Vanilla ovalis Blanco
Vanilla speciosa Boxall ex Náves

Vrydagzynea
Vrydagzynea albida (Blume) Blume
Vrydagzynea vrydagzynoides (Ames) Ormerod
Vrydagzynea weberi Ames

Zeuxine

Zeuxine affinis (Lindl.) Benth. ex Hook.f.
Zeuxine elmeri (Ames) Ames
Zeuxine flava (Wall. Ex Lindl.) Benth. ex Hook.f.
Zeuxine lancifolia (Ames) Ormerod
Zeuxine leytensis (Ames) Ames
Zeuxine marivelensis (Ames) Schltr.
Zeuxine nervosa (Wall. Ex Lindl.) Trimen
Zeuxine parvifolia (Ridl.) Ridl. ex K.Schum. & Fedde
Zeuxine philippinensis (Ames) Ames
Zeuxine strateumatica (L.) Schltr.